

This listing of claims will replace all prior versions, and listings, of claims in the application.

## **LISTING OF CLAIMS:**

### Claims 1-28 (Canceled)

Claim 29 (Currently Amended) A method of distributing work through a cluster of workstations for efficient distributed processing, said cluster having a plurality of workstations interconnected over a network, the method comprising:

receiving a work request at a first processing workstation;

classifying, at said first processing node, the work request into one or more tasks;

assigning said one or more tasks to one or more router queues, at said first processing node, capable of handling said one or more tasks;

dispatching said assigned one or more tasks for execution at a second processing workstation having an execution module residing therein, the execution module at said second processing workstation comprising one or more initiators for instantiating one or more objects to execute a work task, said initiators dynamically registering with a router to indicate readiness to accept work for processing, said objects instantiated by an initiator with a generic class name but having a different implementation specific to the workstation in which said initiator resides to enable use of system specific resources and enable a single version of an application to run on each workstation, said one or more router queues permitting work at different phases of completion to flow through said cluster of workstations; and

determining performance statistics associated with said one or more router queues, and, adding additional initiators to execute said one or more tasks based on the performance statistics of said one or more router queues.

Claim 30 (Original) The method of distributing work through a cluster of workstations as claimed in claim 29, the method further including:

computing a time lapse between the step of assigning and the step of dispatching.

Claim 31 (Currently Amended) The method of distributing work through a cluster of

workstations as claimed in claim 29, wherein the step of dispatching includes:

determining one or more initiators at a second processing workstation best suited to execute said one or more tasks; and

dispatching said one or more tasks to said best suited one or more initiators for execution.

Claim 32 (Canceled)

Claim 33 (Original) The method of distributing work through a cluster of workstations as claimed in claim 31, wherein the step of determining further includes:

receiving from said one or more initiators system specific statistics data associated with said one or more initiators for determining said one or more initiators best suited to execute said one or more tasks.

Claim 34 (Original) The method of distributing work through a cluster of workstations as claimed in claim 31, wherein the step of determining further includes:

computing performance statistics of said one or more initiators for determining said one or more initiator best suited to execute said one or more tasks.

Claim 35 - 38 (Canceled)